

# ABSTRACT OF THE DISCLOSURE

A transmitter, which is operated by a battery, wirelessly transmits data including data that represents the temperature  $T$  in a tire and data that represents the voltage  $V$  of the battery. A receiver judges whether or not the life of the battery is ending depending on the battery voltage  $V$  read from the received data. More specifically, the receiver performs the judgment regarding the life of the battery based on a comparison between the battery voltage  $V$  and a variable voltage reference value  $V_0$ , which is selected in accordance with the temperature  $T$  in the tire. The judgment regarding the life of the battery is thus accurately performed.